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ML100

USER GUIDE

This document is intended for informational and instructional purposes only.

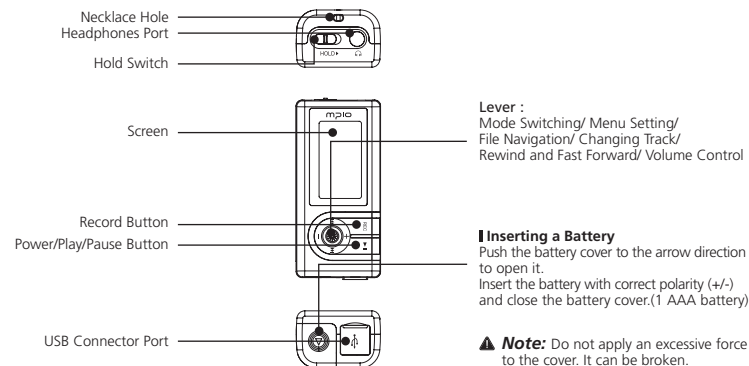
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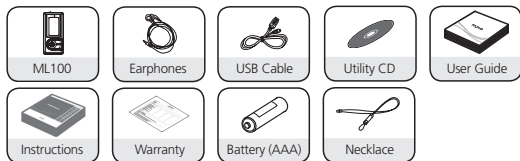
Name of Parts



I Screen



Components



Additional components (For example, Necklace and etc) can differ depending on the sales area.

Note: Actual player may vary slightly from images shown, and subject to change without notice.
Broken components may be purchased separately at MPIO Service Center.

Connecting to your computer

- 1 Connect ML100 to the USB connection port on your computer with the USB cable.
- Removing the USB cable, while installing the USB driver or executing a command, may cause malfunction to your computer.
- 2 The USB Driver will be installed with a message indicating "Looking for a New Device".
The installation screen may not appear.

Note:

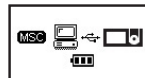
MTP (Media Transfer Protocol)

- This mode is for connecting Windows Media Player 10 to ML100 to listen an encoded file as WMDRM (Windows Media Digital Rights Management) music file.
- If Windows Media Player 10 is installed in your computer which the OS is Windows XP, you can use the MTP mode. (You have to install Windows Service pack 1 than higher)
- WMDRM is an encoded technology to protect the copyright of music file.



MSC (Mass Storage Class)

- ML100 can be used as a removable disk in this mode, regardless of the operating system you use.
- Install the USB driver first and connect ML100 to your computer, if you are using Windows 98SE. To install the USB driver manually, please refer to "Installing USB Driver Manually" (page 5).



To switch between MTP and MSC modes

- While the computer and ML100 are connected, press the lever to switch between MTP and MSC modes.

Installing USB Driver Manually

Please refer to the below only if ML100 is not plugged with Windows 98SE.

- 1 Connect ML100 with your computer with the USB cable.
When **Add New Hardware Wizard** window appears on the screen, click the **[Next]** button.
- 2 Check "**Search for the driver for your device**", click the **[Next]** button.
- 3 Insert the CD included in the package into the CD-ROM, check **CD-ROM DRIVE** and click the **[Next]** button.
- 4 When the driver installation is completed, an "**Installation complete**" window will appear on the screen. Then, click the **[Finish]** button.

Go to the following destination to confirm that the installation was completed successfully.

Windows 98SE :

[Control Panel] → [Systems] → [Device Manager] → [Hard Drive] → MPIO ML100 USB Device

Note: In Windows 98SE, the program must be installed to use ML100 as a removable disk.
Please install the USB drivers before use.

Using a Removable Disk

Downloading/Uploading Files

- 1 You can connect to your computer with the USB cable while ML100 is on or off.
If connected, a connection icon will appear in the LCD screen.
If connected in MTP mode, press the lever to switch to MSC mode.
- 2 Run Windows Explorer on your computer
A Removable Disk(ML100) icon will be created in Windows Explorer.
- 3 The user can store, delete data and create a folder in the same way as a hard drive.
Copy & Paste, Drag & Drop commands can be used in the same way to store data.
 - **Copy & Paste:** Select the data to store, click on right mouse button.
Select **[Copy]** and then **[Paste]** in the Removable Disk(ML100).
 - **Drag & Drop:** Select the data store, click and hold down the left mouse button to drag the files into the Removable Disk(ML100), and then release the left mouse button

▲ **Caution:**

If you disconnect the USB cable while a file is being uploaded or downloaded, ML100 may malfunction.

▲ **Note:**

The music file display order in Windows Explorer when you select a removable disk can be different from the actual playback order.
If you rename music files like 001***, 002***... in Windows Explorer, you can play them back by the order of number in the file name.

Disconnecting the USB Cable

It is recommended that you follow these directions for separating ML100 from your computer safely. If these instructions are not followed, it may result in data damage or ML100 malfunction.

- 1 Place mouse cursor on "Stop a Hardware Device" icon in the system tray, and click right mouse button.
- 2 Select "Stop USB Mass Storage Device".
When the "Stop a Hardware Device" window appears, select MPIO ML100 USB Device. Then, click the [OK] button and disconnect the USB cable.

▲ **Note:**

In Windows 2000, disconnect the USB cable by clicking the [OK] button after the "Safely Remove Hardware" message appears.
If you are using Windows XP, disconnect the USB Cable when the Safe To Remove Hardware message appears.

Windows 98SE Users

There is no Safely Remove Hardware command in Windows 98SE.

The user must wait until the file/data transfer is complete, and then disconnect the USB cable.

Playing Music

Turn on ML100

- 1 Press and hold the ►|| button, the Navigation screen will appear.
Select a file you wish to play.
- 2 Press the ►|| button to play music.
For more details of how to move folders or files, see **[Using the Navigation]** in page 9.

▲ **Note:**

After turning on, if you don't want the navigation screen to come up, change the setting to Auto Play in the menu. (See page 21).

Change the volume


While it's playing or paused, you can adjust the volume by pushing the lever in up or down direction.

You can adjust the volume from 0 to 40.



If you push the lever, it adjusts one step; if you push and hold the lever, it adjusts continuously

Disabling ML100 buttons

Push the  switch at ML100 toward the direction of the arrow.

When the hold function is set, buttons will not activated and  will appear on the screen. To unlock, push the switch in the opposite direction of the arrow.



Turn off ML100

Press the  button to pause during playback and it will automatically turn off if there is no further operations for 3 minutes. (In case default setting)
Press and hold the  button for 3 seconds.




▲ Note:

You can change the time settings for Auto Off in the menu. (See page 23)




Searching for the desired section during playback

Push and hold the lever in  or  direction to find a point you want to listen, while it's playing.


Searching for the desired file during playback

Push the lever in  direction to play the next file.
When you push the lever in  direction within 10 seconds of playback, it goes to the previous file. If you push the lever in  direction after 10 seconds of playback its starts from the beginning of current file.

Searching for the desired file during pausing

While it's paused, you can move to the previous or next file, if you push the lever in  or  direction. Press the  button to play.

▲ Note:

MP2 or MP1 formatted files may not be played when the extension is changed to MP3 before download.
For VBR files, previous songs may not play even if the lever was pushed in  direction within 10 seconds after playback starts.



Using the Navigation

You can search for the desired file or folder easily using the navigation.

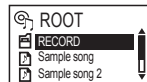
1 Press the lever in vertical direction, it will move to the navigation mode, while it's playing or paused.

The file list comes up on the screen.

2 Select a file you want to play.

-  : Move to subfolder, go into and select folder.
-  : Move to upper folder, unselect and cancel folder.
- + or - : Move folder or files within the same directory

3 If you press the  button, it plays the selected file.



Voice Recording

1 Press the REC button during pause, then the voice recording will begin.

▲ Note: You cannot voice record while music is playing.

2 Press the  button to pause the recording and press it again to resume the recording.

3 If you press the REC button, it will stop after saving the recording



▲ Note:

Files will be stored in order of VOICE001, VOICE002 & etc. And it will be stored in the RECORD folder as a WAV file.
Voice recording will stop automatically if there aren't sufficient memory space.
You can set the quality for the voice recording (See page 17.)

Setting Section A - B Repeat

1 Section Repeat Starting Point

To repeatedly play, press the REC button at the point where section starts.

Ⓐ will appear on the screen.

2 Section Repeat Ending Point

Press the REC button again at the point where the section ends.

The set section will now play repeatedly.

Ⓐ will appear on the screen.

▲ Note:

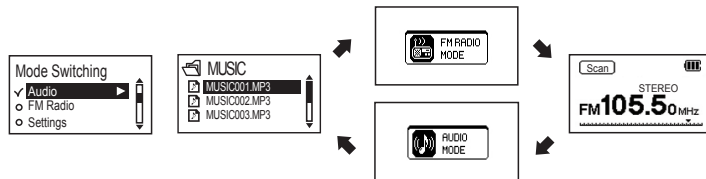
To cancel Section Repeat, press the REC button once again.

Press the ►|| button to pause the section repeat and press it again to resume.

Changing Modes

1 Press and hold the lever in vertical direction while the music is playing or paused.

Choose the Audio mode or the FM radio mode you wish to listen.



▲ Note:

For music to play properly after switching from FM Radio mode to Music Playback mode, set the Auto Play from the menu. (See page 21)

Listening to FM Radio

Earphones work as an antenna, so please connect them before using.

See page 10 first, then switch to FM Radio mode

1 Searching the Frequency Manually

If you push the lever in ◀◀ or ▶▶ direction, you can change the frequency.

1 Searching the Frequency Automatically

If you push and hold the lever in ◀◀ or ▶▶ direction, the frequency will start to increase or decrease for searching.

After release the lever, the frequency will stop when it received a signal.

▲ Note:

The frequency movement unit is different depending on Seek Step in FM Radio settings. (See page 16)

1 Saving Channels

1 If you press the lever in vertical direction, the Save Channel screen will appear while listening to FM radio.

The popup menu appears.



2 Select the channel number by pushing the lever in up or down direction, then push the lever in ▶▶ direction or press it in vertical direction to save the frequency.

▲ Note: Channels can also be saved in the FM Radio menu. (See page 15)

You cannot delete saved channels but you can save a new channel over a channel that has already been saved. (Please see page 12 on Changing a saved frequency.)

You can save up to 20 channels.

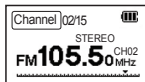
I Changing a Saved Frequency

You can change the already saved channel to another frequency.

- 1 At a new frequency, if you press the lever in vertical direction, the save channel screen appears.
Push the lever in ►► direction or press it in vertical direction after selecting the saved channel number.
- 2 When saving a frequency, if you have the already saved frequency at a channel number, the saved frequency will be deleted and the new one will be saved.

I Listening to a Saved Frequency (Channel mode)

- 1 Press the ►► button to switch to the receive mode(Scan ↔ Channel).
Select the Channel mode.
- 2 Every time you push lever in ◀◀ or ►► direction, ML100 switches through preset frequencies (channels).
You can listen to any selected channel.

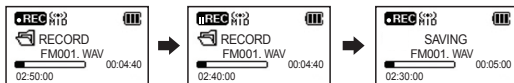


▲ Note:

If there is no saved frequency(channel), NO CHANNEL!! message will appear on the screen and the player will remain in Scan mode.

Recording FM Radio

- 1 Press the REC button while listening to FM Radio to start FM radio recording.
- 2 Press the ►► button to pause the recording and press it again to resume the recording.
- 3 If you press the REC button, it will stop after saving the recording.



▲ Note:

The files will be stored in order of FM001, FM002 & etc. And it will be stored in the RECORD folder as a WAV file.
FM radio recording will stop automatically if there have no sufficient memory space.

Menu Operation

I Moving in the menu

Press and hold the lever in vertical direction to move to Mode Switching.

Select and enter to the Setting mode to move to Main Menu.

Use the lever to explore the menu, then push the lever in ►► direction or press it in vertical direction to go into the selected menu.



I Saving the settings

Push the lever in up or down direction to change the settings, then push the lever in ►► direction or press it in vertical direction to save the settings.

After saving the settings, move to the previous menu.

If you push the lever in ◀◀ direction while you setup the settings, it will not save the settings, and will only exit from the screen.

I Leaving the submenu

Push the lever in ◀◀ direction to go to upper menu, and you will leave the submenu eventually.



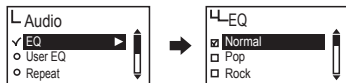
▲ Note:

If there is no operation in the menu mode, it will be canceled after 10 seconds.

Audio Settings

Setting EQ

You can enjoy by setting the volume to your personal preference.
Select EQ from Audio in the menu.



Note:

EQ Change Order

Normal → Pop → Rock → Jazz → Classical → Vocal → Bass Booster → User EQ.

Setting User EQ

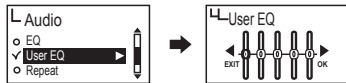
You can enjoy your own sound effects by setting the EQ to the each frequency band-width that you prefer.

Select User EQ from Audio in the menu.

Move through frequency band by pushing the lever in ◀◀ or ▶▶ direction, and adjust the setting by pushing the lever in up or down direction.

After setting each frequency band, push the lever in ▶▶ direction or press it in vertical direction to move to OK and save the setting, and then you will move to the previous menu.

Push the lever in ◀◀ direction to move to EXIT, and the User EQ will be canceled.

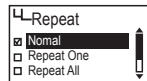


Setting Repeat

You can set ML100 to play music files.

Select Repeat from Audio in the menu.

- Normal () : Plays all music files in the player once.
- Repeat One () : Repeats one music file over and over.
- Repeat All () : Repeats all music files in the player.
- Random () : Randomizes all music files in the player.
- Directory Normal () : Plays all music files in the current folder once.
- Directory All () : Repeats all music files in the current folder.
- Directory Random () : Randomizes all music files in the current folder.



FM Radio Settings

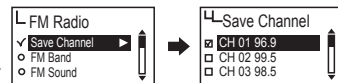
Saving Channels in Menu

Choose the FM Radio mode.

Select Save Channel from FM Radio in the menu.

After setting the frequency to save, select

the desired channel by pushing the lever in up or down direction, then push the lever in ▶▶ direction or press it in vertical direction to save the frequency.

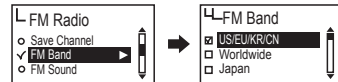


Setting Bandwidth

You can set the receiving broadband of FM radio to receive.

Select FM Band from FM Radio in the menu.

You can set to US/EU/KR/CN, Worldwide, and Japan.



<Frequency Broadband List by Country>

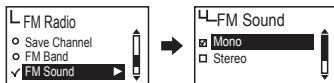
US/EU/KR/CN	87.5MHz~108MHz
Worldwide	76MHz~108MHz
Japan	76MHz~92MHz

Setting FM Radio Sound

You can set the sound of FM Radio.

Select FM Sound from FM Radio in the menu.

You can set the sound to Mono or Stereo.

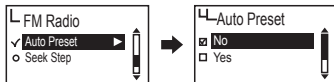


Saving Auto Preset

Scan for FM Radio broadcasts and automatically save them as channels.

Select Auto Preset from FM Radio in the menu.

- No : You can set the Auto Preset not to operate.
- Yes : You can delete the saved channel and save the frequency that can be received in order.



Note:

Saved channels can be seen in Save Channel.

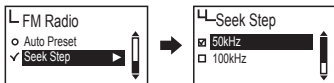
After Auto Preset, the radio will start playing with the first channel (CH01).

Setting Seek Step

You can set the FM radio's frequency movement unit.

Select Seek Step from FM Radio in the menu.

You can set the unit to 50kHz or 100kHz.



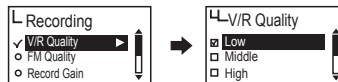
Recording Settings

Setting Voice Recording Quality

You can set the quality status of the Voice recording.

Select V/R Quality from Recording in the menu.

You can set Low, Middle and High.

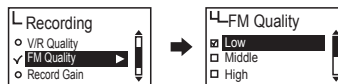


Setting FM Radio Recording Quality

You can set the quality status of the FM Radio recording.

Select FM Quality from Recording in the menu.

You can set Low, Middle and High.

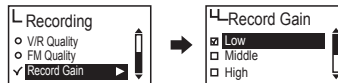


Setting Voice Signal Amplification

You can set the amplification level of the voice signal.

Select Record Gain from Recording in the menu.

You can set Low, Middle and High.



Setting the VOR (Voice Operation Recording)

VOR (Voice Operation Recording)

VOR is a function that begins recording when the ML100 detects sound, and stops recording when it is silent. The VOR level is adjustable so the recording begins when the recording sound from the internal microphone reaches the user's designated level.

Select VOR from Recording in the menu.

- Off : VOR function is deactivated.
- Library : On Library mode, even small sound can be recorded.
- Office : On Office mode, medium and high volume sound are recorded.
Small sound is not sensed and recorded.
- Park : On Park mode, only high volume sound is recorded.

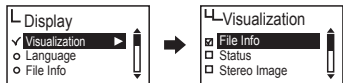


Screen Settings

Setting Visual Effect

You can set the info configuration at the bottom of the screen.

Select Visualization from Display in the menu.



<Visual Effect Setting Icon>

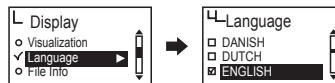
File Info	
Status	
Stereo Image	

Setting the Language

You can confirm the music file information using the ID3 tag information.

A total of 55 languages support ID3 tag: out of 55 languages English, Korean, Chinese (simplified), Chinese (traditional), Japanese, Spanish, French, German, and Russian support ID3 tag and the menu language.

Select Language from Display in the menu.

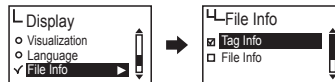


Setting File Information

Set information for music files to be displayed on the screen.

Select File Info from Display in the menu.

- Tag Info : If the file contains Tag information, the ID3 Tag information will be displayed. If there is no Tag information, only the file name will be displayed.
- File Info : Even if the file contain Tag information, only the file name will be displayed.



▲ Note:

All 55 languages in the Language support ID3 Tag information.

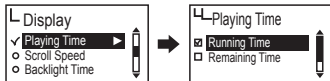
For all tracks without Tag information, the file name will be displayed.

Setting Playback Time

You can set how to display the playback time on the screen.

Select Playing Time from Display in the menu.

- Running Time : Displays the current playback time of the song being played.
- Remaining Time : Displays the remaining playback time of the song being played.

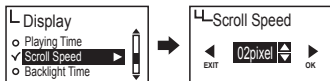


Setting Text Flow Speed

Adjust the flow speed of the file information displayed on the screen.

Select Scroll Speed from Display in the menu.

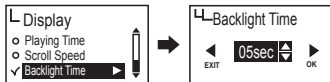
You can set the scroll speed from 2 to 16 pixels.



Setting the Back Light

You can adjust the lighting time of the screen.

Select Backlight Time from Display in the menu.



▲ Note:

You can set the lighting time from 5 to 20 seconds.

When it sets to Always On, it will use lots of battery therefore it will affect the play time.

When there is insufficient battery, the backlight will not come up.

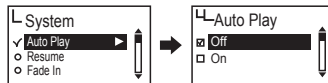
System Settings

Setting Auto Play

You can set a file to AutoPlay.

Select Auto Play from System in the menu.

- Off : When you turn on the navigation screen appears and if you press the ►|| button, it will play music.
- On : When you turn on, the music will automatically play.

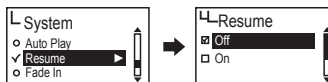


Setting Resume

After turning on, you can set it so that the last file played before ending is played upon startup.

Select Resume from System in the menu.

- Off : Plays the file played from the beginning before ending.
- On : Plays the file from the point where it stopped before ending.



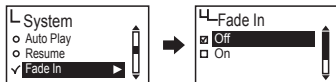
▲ **Note:** when Auto Play is set on, the Resume will operate.

Setting Fade In

You can set the volume so that it gradually increases when file is played.

Select Fade In from System in the menu.

- Off : File will play in the set volume.
- On : File will play with the volume gradually increasing from the start of each file.

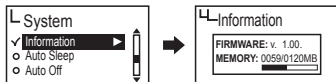


Setting Device Info

You can check the firmware version of system, the memory size in use, and the total memory size.

Select Information from System in the menu.

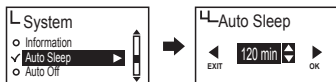
You can confirm the system's information.



Setting Auto Sleep

While you listen to Music or FM Radio, you can set the time to turn off automatically after the scheduled time.

Select Auto Sleep from System in the menu.

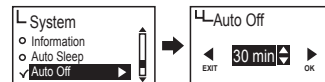


- ▲ **Note:** You can set the time from 15 to 120 minutes, and choose Off when you don't want the setting. When you restart the player, the Setting Auto Sleep function will be unavailable.

Setting Auto Off

If there is no operation or button input after the preset time has elapsed during the pause status, the player will automatically turn off.

Select Auto Off from System in the menu.

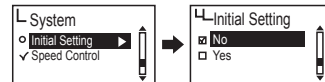


- ▲ **Note:** You can set the Auto Off time from 3 to 30 minutes, and choose Off when you don't want the setting.

Initializing Settings

You can delete all settings you have setted and set all menu settings to default.

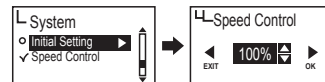
Select Initial Setting from System in the menu.



Adjusting Playback Speed

You can control the playback speed. This is useful for studying languages.

Select Speed Control from System in the menu.



- ▲ **Note:**
 Playback Speed settings can be set up from 50 to 200%
 The larger the setting number is, the faster the playback speed.
 Default setting 100% is recommended when playing music.
 After setting Speed Control, the setting will automatically convert to 100% when the player is restarted.
 Speed Control function can be worked only mp3 files and recorded files.

Upgrading Firmware

- 1 Download the firmware from MPIO website to your computer. (www.mpio.com)
- 2 Turn on ML100 and connect it to your computer by using a USB cable.
- 3 Please check that the player is in the MSC mode.
You can switch to the MSC mode to press the lever in vertical direction.
- 4 Firmware upgrade is only available in the MSC [Mass Storage Class] mode.
- 5 When the Firmware Upgrade screen appears, click the [NEXT] button according to the following image.
- 6 To cancel, click the [CANCEL] button.
- 7 After firmware upgrade is completed, click the [FINISH] button.
- 8 Disconnect the USB cable from the player.



▲ Note:

To cancel firmware upgrade, click the [CANCEL] button.
Please take note that external impact and low battery while performing a firmware upgrade may cause device failure or other malfunctions.

IFor Macintosh Users

When performing a firmware upgrade on a Macintosh, please follow the instructions on our website.